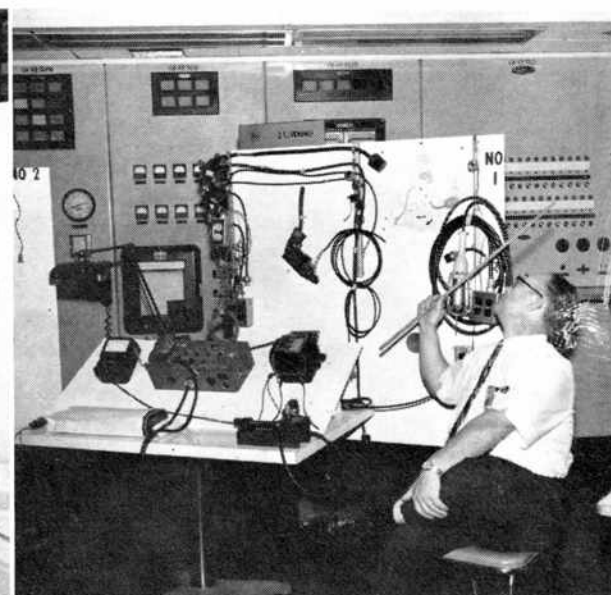


6-12081-2-3



**J. L. YOUNG JR., ELECTRICAL**, takes a group through the interesting display in Building 9201-4. The popular six-booth show was seen early in May in 9723-4 and then in 9201-4. This week it journeys to Biology and then back to 9723-4 where other Oak Ridge National Laboratory Divisions will view it. Many other Y-12

divisions have requested it in their areas because of its effectiveness. At right, Young demonstrates faulty portable electrical tools that can kill with electric shock. In the center he demonstrates overloading a circuit where a fuse is blown . . . next to the human body model showing the flow of electricity when proper

grounding is present. At the left, faulty pieces of equipment that were picked up in the plant are displayed. Congratulations to the Electrical Department for getting a message across in a vivid, interesting manner. The Maintenance Division has, thus far in 1964, had two outstanding safety displays.

## UT Evening School Gives Summer Classes

The University of Tennessee Evening School announces its Summer schedule, with registration to get underway for the first term June 11, 12, and 13 from 5 to 7:30 p.m. on Thursday and Friday, and 10 a.m. until 1:30 p.m. on Saturday.

Classes will begin on Monday, June 15.

Offered during the summer quarter will be: Algebra Refresher (non-credit), Etymology 221 — Greek; English 111 — Composition; English 211—English Literature; English 212 — English Literature; Math 454 — Advanced Calculus; Math 46 — Elementary Differential Equations; Psychology 212 — General; Sociology 213 — General; Speech 231 — Basic Public Speaking; and Speech 232 — Basic Public Speaking.

All classes meet in the Oak Ridge High School. Additional courses are also available from the Knoxville schedule where the courses are held there.

Information concerning registration and qualifying under the Carbide Educational Assistance Program may be obtained from Benefit Plans, telephone 7382.

## Physics Seminar Topic Constant Speed Rotation

Oak Ridge National Laboratory's Physics Division seminar is announced for this week as "Some Uses of Constant Speed Rotation." Leading the discussion will be Jesse W. Beams, University of Virginia.

The seminar is slated for Thursday, June 4, at 11 a.m., in the East Auditorium of ORNL's 4500 building.

### FROZEN TRAYS

If your ice trays are continuously getting stuck in the refrigerator, try a thin film of salad oil on the bottom of the trays. It doesn't affect freezing, but will prevent trays from sticking to the refrigerator.

## Electrical Department Provides Maintenance Division With Another Stand-Out Safety Display On 'On And Off The Job Safety' Theme

6-12080

The Maintenance Division was not content with having the 'show-of-the-year' with their round-up of defective tools recently. Now, they have gone and 'done it again.'

This time, the Electrical Department has come up with one of the most informative, interesting displays in a long time. Using the theme "On and Off the Job Electrical Safety," the display consists of six ingenious booths cleverly depicting electrical hazards, both on and off the job.

Electricity kills far too many people in this country each year. Y-12 itself suffered a fatality last year from electrocution. And don't let that expression "it's only 110 volts, it won't kill you" mislead you. IT CAN KILL YOU. It is only peculiar circumstances that keep us from being killed each time we get a shock.

The purpose of booth number one was to demonstrate the proper use of portable electrical tools and equipment. Using tape recordings in each booth a narration explains, in very clever dialogue, the pitfalls of each demonstration.

### Frayed Equipment

In this booth there were pieces of equipment picked up in the plant . . . damaged equipment that could kill. Y-12 controls this type of equipment in a dual-program . . . predetermined inspection and a portable tool program through the Stores Department. It was pointed out that in a recent inspection 5,949 items were inspected. Of this number 431 were repaired on the spot and 240 required major repairs.

Booth number two demonstrates the proper manner in which to close off an electrical circuit. It was pointed out that the only really safe way to make sure the electricity is off is to have the fuses pulled and the switch locked or tagged out.

### Proper Grounding

Proper grounding is the theme of the third booth. Three areas



**AREA FIVE MAINTENANCE** Department gets the grand tour of Electrical's big display on "On and Off Job Electrical Safety." This is the second safety display this year from Maintenance that has been out of the ordinary . . . where a little imagination is used to get a message across. (It works, too!)

of the home are concerned with the three-wire system . . . the bath, the kitchen and the basement. The imaginary situation is picture of a typical wife preparing supper. She has food on the stove (or hot plate) and the water is running in the sink. With her hand on the skillet handle she reaches to turn off the water. A perfectly innocent act, yet tragedy struck in the form of sudden death. Investigation revealed a short in the stove, which was not grounded.

Current flow was demonstrated through a model's body.

Overloading a circuit was the next step in the demonstration. First, a drill is plugged in . . . then a soldering gun. Then a penny is placed in the fuse-box as a substitute for a fuse . . . back in business again. Next, an electric heater is plugged in . . .

and smoke appears. The next logical step, of course, is that the house burns.

### Watch Over-Loading

When a fuse blows there is usually a reason. Find the reason and correct it . . . then replace the fuse with another fuse, and not a penny. If the circuits are over-loaded, install new ones. Sure they cost a little money, but then so did your appliances and your home. And your life is beyond price and also irreplaceable.

Booth five attempts to prove that under the right circumstances, even a slight electrical shock is a potential killer.

Taking digs at the guide all the way through the show, the narrator uses him on a common household object . . . and electric weiner roaster. The metal prongs on the roaster are alive with 110

volts. The narrator cautions the guide to be careful, "I would have a terrible time explaining his loss to my supervisor," he caustically remarks.

### Take-Home Forms

The final booth in the clever

Continued on Page 4

## SAFETY SCOREBOARD

The Y-12 Plant Has  
Operated  
16 Days Or  
425,000 Man-Hours  
(Unofficial Estimate)  
Without A Disabling  
Injury  
Through May 31  
Phone 7755  
For Daily Report  
On Accident-Free Hours



# The Bulletin

Published Weekly For The  
Y-12 Employees Of  
UNION CARBIDE  
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNG

Editor



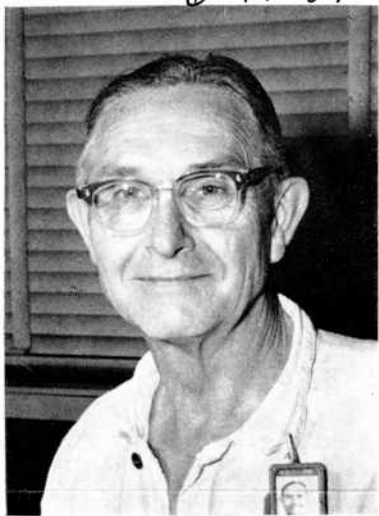
OFFICE

Post Office Box Y  
Oak Ridge, Tenn. 37831  
Bldg. 9704-2 Room 137  
Telephone 7100

## W. C. Morrow Takes Early Retirement

Harriman Native  
Leaves June 1

6-12087



William C. Morrow

William C. Morrow, Dispatching Department, took early retirement June 1, to bring the total to three for this month. (Daniel E. Plemens, Dispatching, and Luther D. Burchfield, General Metal Fabrication, were May's regular retirees.)

Morrow is a native of Harriman, Tennessee, where he has lived most of his life. He has been in the pulp-wood business in Kingsport, Gordon, Georgia, Chattanooga, and Savannah as well as Columbus, Georgia. He came to Y-12 December 15, 1953.

The retiree lives at Route 4, Box 36, Harriman with his wife, the former Alice Lee. They have four children . . . sons Theodore, Seaburn and W. C. Jr., all of Harriman; and a daughter in mission work at the Baptist College, Springfield, Missouri. The youngest son, Seaburn is entering college this fall.

Morrow has no definite plans at this time. He has done radio and television repair work as a hobby, and also rabbit breeding. After taking it easy for a while at his Harriman home, he hopes to find either one or both of these hobbies a profitable pastime.

Best wishes, W. C. Morrow. May your retirement days be long and fruitful.

## Hieronimus Transfers To New York Office

Robert C. Hieronimus, general manager of Union Carbide's largest plant . . . at South Charleston, West Virginia, has been named General Manager of the Distribution Department of Union Carbide's Chemicals Division, with headquarters in the New York office.



Want to build a cave? Then take alternate layers of limestone and clay, between 20 and 80 feet deep. Wash the clay away with water. Add acid to dissolve the limestone. Let the mixture brew for thousands of years and deposits will form on the floors and ceiling. In 50,000 years you will have a young cave . . . in a 100,000 years you will have a place of beauty.

Now don't anyone say they don't have anything to do in their spare time!

Spare time among Y-12ers is spent in diverse ways. Say in

### INDUSTRIAL RELATIONS

The Safety Department reports E. G. "Sunny" Richardson recuperating nicely at his Norris home after surgery.

Security sends best wishes to Ann Rackley, ill.

The Fire and Guard Departments have many vacationers . . . none, as usual, telling where . . . W. E. Bruce, M. N. Wilkerson, C. H. Nicely, A. O. Mitchell, J. F. Price, E. Woods, P. Surber, W. T. Galyon, L. H. Perry, and Arnold Tiller.

If anyone wants a beautiful kitten Campbell King and Jim Young can accommodate. Between them they have SEVEN to give away!

Personnel's Steve Porter took his family to Daytona for to escape the what-ever-kind of winter' late May brought on.

Definition of a Co-Wed . . . a gal that gets the degree she was looking for in college . . . MRS!

### PRODUCT ENGINEERING

Tool Engineering tells that the holiday weekend found many heading for vacation lands . . . Joe Feeman took off for a week of relaxing and fishing . . . Joe says his trek should take him somewhere near Fontana.

Traveling to Memphis and then on to the sunny shores of Florida are the O. T. Smith family.

The Joe Howell family also chose Florida . . . Fort Lauderdale . . . Dick Spears left for an unknown destination . . . Nora Hurst relaxed at home in Knoxville for a couple of days.

About the time a man catches up on his Christmas bills, it's time to take a vacation . . . by the time he pays for that it's Christmas again.

### METAL PREPARATION

Rolling and Forming, 9215, reports that T. I. Sloane is taking two weeks in St. Pete.

Definition of a gentleman: he saves part of his cocktail to pour on the cigarette ashes so they won't burn the rug.

### SHIFT SUPERINTENDENTS AND UTILITIES

Vacationers include R. F. Farmer fishing one day at Jellico, one night and day fishing with the C Shift Steam Plant crew. Maples and Garrett, however, caught most of the fish. The remaining part of his vacation was spent in Old Hickory, North Carolina.

Scotty Elsbree is spending two weeks fishing and working at home . . . E. I. Clark and his daughter Judy have moved into their new trailer home.

H. D. Baker's primary interest these days is showing Glen Ballew, Ray Ellis, and Carl Frazier how to fish.

J. A. McLain vacationed at his Roane County home . . . Other vacationers include R. D. Freels, L. R. Nolan, W. J. Wiggins, J. A. Wade and W. D. Woody.

An unhappy gal is Sally Snide . . . Never a bridesmaid . . . always a bride!

### ACCOUNTING & BUDGET

Belated congratulations to the Luther Seals family on the arrival of a little daughter, Julianne Rene.

R. A. (Judge) Angel and family are journeying to Emory and Henry College in Virginia to see their daughter Sue graduate with a degree in history . . . Noah Ensor's son Noah Jr. is graduating this week from Oak Ridge High School . . . Ralph Vaughan and his family vacationed in Daytona Beach, Florida.

Enjoying a stay-at-home vacation is Clifford Anderson . . . and Ellen Hughes took off a few days to relax on the lake with her family.

Most problems of the human race are due to a lack of business knowledge . . . of what is and what is none of their business.

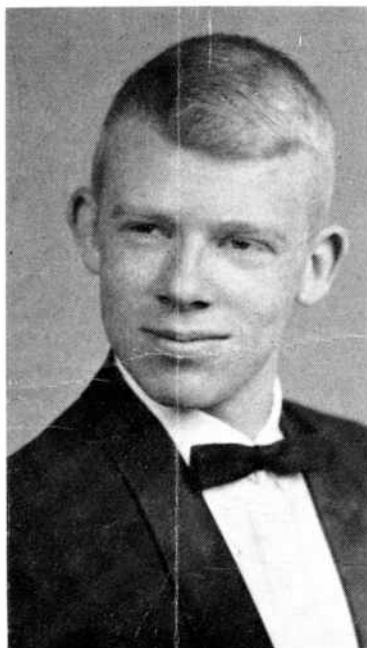
### MATERIALS & SERVICES

Stores reports Don Forrester going to the World's Fair . . . also welcome to J. A. Van Eynde into Traffic . . . Get well wishes to Pat Patterson in the Oak Ridge Hospital . . . On vacation are J. R. Robinette at home and J. R. Pelfrey in Florida.

Plant Records reports O. Hartman on vacation just taking it easy around home.

Race you to Knox, old friend!

## Morgan Son Is South Knox Grad



James H. Morgan Jr.

More proud parents from Y-12 accumulate as the James H. Morgan Sr. family sees Junior graduate from South Knoxville High School.

Young Jim plans to enter the University of Tennessee this fall.

His father is in Y-12's A-2 Wing, 9212, Fabrication Division.

The Morgans live at 424 Taliwa Drive, Knoxville.



DONNA TILLEY, as she appeared in the recent "Evening of Dance" held at the Maryville College Theatre. Donna has studied dance for 13 years, including ballet, ballroom and tap. She is the daughter of Eliga Tilley, Casting Department.

## Tilley Daughter Stars In Ballet Program Given At Maryville College

Donna Tilley, daughter of Mr. and Mrs. Eliga Tilley, 106 Darwin Road, Oak Ridge, took the leading role in a ballet performance recently at Maryville. The dance was presented by the Van Metre School of Dance, Maryville. The program, called "An Evening of Dance," was presented at the Maryville College Theatre.

Included in the program was the premiere performance of "Delusion," a ballet by Harry

Harter, of Maryville College's faculty and the choreography of Cheryl Van Metre. Also on the program was "Snow White and the Seven Dwarfs."

Donna has studied dance for 13 years, including ballet, ballroom and tap. She is now on the teaching staff of the Ethell Howell Studios here, associated with Mary Overstreet.

Miss Tilley's father is in the Casting Department, Metal Preparation Division.

## Don't Advertise An Empty House

When you leave your home for a few days vacation . . . or weeks, ask a friendly neighbor to keep an eye on things. You can be sure that there'll be a thieving eye or two watching your domicile, also.

There are two burglaries in the United States every minute, more than a million each year. Burglary is the nation's most common and fastest-growing crime. Yet complacent homeowners make it one of the easiest crimes to commit.

Discourage prowlers by locking all doors and windows securely when you are out of town. Do not broadcast your being away by letting the papers and milk accumulate on the porch. If possible, get the police to make an occasional check on your house and grounds.

Some prowlers, of course, won't take no for an answer, but this is no reason for encouraging them with easy "come-on-ins."

Accident-prone employees are poor employees.



Ride wanted from Henley Street Bridge section, Knoxville, to Central Portal, straight day. W. C. Wright, home phone Knoxville 966-9543.

Two riders wanted from Kingston to Central or North Portals, straight day. Mary Bell, plant phone 7-8033, home phone Kingston 376-5181.

Will join car pool from vicinity of New York Avenue, Vandalia, Oak Ridge, to Central Portal, straight day. Charles Johnson, home phone Oak Ridge 483-7310.

## 'DCX-1' Topic Of TN Division Seminar

J. L. Dunlap, et al, will conduct the Thermonuclear Division seminar this week. It will be on the "DCX-1."

The seminar is set for Thursday, June 4, at 9 a.m. in the conference Room of Building 9201-2.





J. H. (TUDOR) BOYD PRESENTS Glen Curtis with a dozen new golf balls for his recent hole-in-one at a Y-12 tournament (Wallace Hills, May 23), for his ace on hole number six.

## Committee Agrees On Change In Drawing Tee-Off Times

Due to the increasing number of requests for tee-off times in Y-12 golf tournaments, the Beaver Brook (June 27) and Niota (July 25) tilts will feature a new procedure in signing up for play. These changes are also necessary for efficiency and fairness to all golfers.

Applications for tee-off times will appear in two Y-12 Bulletins prior to each of the above tournament times. Beaver Brook's application will be in the next two Bulletins.

The blanks must be completely filled out and mailed to the Recreation Office, Building 9704-2 or dropped in a box located in that office. Beaver Brook applications will close at 1 p.m. Wednesday, June 24. A drawing will be held shortly after the deadline, and foursomes will be given tee-off times nearest the time requested as they are drawn. The Recreation Director will notify the foursome captain immediately of his drawn time.

If the tee times are limited by the country club, and there should be more requests than tee-off times, they will be drawn and given priority numbers to fill out should a foursome cancel a scheduled time.

The Golf Tournament Advisory Committee, John H. Boyd, Instrument Engineering; W. T. Mee, Radiation Safety; W. C. Collins, General Weld Shop; and R. T. Cantrell, Recreation, believes this new method for tee times will be an improvement and convenience for all Y-12ers wishing to participate in future golf tournaments.

### Space Waste May Not Be Wasted After All

The next time someone says we are squandering money on space you might point out something to them. There is a vast, incalculable wealth of gold and rare metals in asteroids whirling around in space, state scientists of the National Aeronautics and Space Administration.

NASA officials point out that a single asteroid, Ivar, would yield \$50 trillion in platinum, alone. And Ivar is but one of the millions of asteroids, believed to be bits of planets, which circle our sun.

## Shift Group Sets Another Fish Rodeo

### New Starlight Dock Scene For June 23

E, F, G, H and J shiftmen are the fishingest folks in Y-12, surely. They have set another big rodeo for June. It will be from 5 a.m. until 5 p.m. Saturday week, June 13, at the Stardust Boat Dock, Norris Lake.

Prizes will be as follows:

#### SMALLMOUTH

1. Lantern
2. Picnic jug and gas can

#### LARGEMOUTH

1. Boat seat
2. Boat boarding ladder

#### WALLEYE OR SAUGER

1. Mitchell reel
2. Outing kit

#### BREAM

1. Spinning rod
2. Beach air mattress and fish stringer

#### CRAPPIE

1. Fish basket and gas can

#### REDEYE

1. Fish basket and dip net

#### ROUGH FISH

- (Cat, Drum or Stripe)

Five assorted items.

Of course, only one fish award per employee. The rodeo is the last of the season until fall bites start, so get on out. The walleye and bass should be hitting.

Everyone is bragging about the food at the Stardust, too, so bring the kids along. They're eligible to enter the rodeo along with the little woman.

There is plenty of bait at reasonable prices there, and launching is free.

Starlight is putting up a dock prize to go along with the 15 fish awards to be given by the Shifters. So time's awasteing. Be sure and save Saturday, June 13 for the big Norris Rodeo. And don't say we didn't give you advance notice!

### Union Carbide Meeting Voted 25,921,803 Shares

More than 800 people attended Union Carbide Corporation's annual meeting, held in New York City, in April. They represented 25,921,803 shares in the corporation, slightly more than 86 per cent of the total outstanding shares. This was the second largest percentage ever voted at an annual meeting.

## Atoms Have Only Perfect Record In Slo Pitch League

Action in the Slo Pitch League began last week as the Eagles shut out the Cherokees 12 to 0. Of the 13 hits taken by the winning Eagles, two were home-runs by Pridgeon and Reber, the latter also taking a long triple. The scoreless Cherokees tallied seven hits, but were unable to get a run across the plate.

Game number two Monday saw the Peons upset the Dispatching Rebs 10 to 9. The Peons won in the last inning as Wright drove in the winning score with one out. Dyer had a four-bagger for the winners . . . Riggs drove one for the losers.

The ORGDP Mets took the Regents 20 to 1 in the final game Monday at Pinewood. Keith homered twice, Cox and Henderson had one each for the winning team.

Tuesday's action began as the Bean Balls took the K-25 Instruments 17 to 10. Duncan homered for the winners . . . Scott for the losers. Despite six errors by the winning squad, their 17 hits to the 14 hits of the losers spelled the difference.

#### Teds Victorious

In a closer tilt, the Teds defeated the Bat Boys 14 to 10. Morton had a long three-bagger for the winners, Allstun and Smith took doubles. For the losers it was Greene with a homer . . . Abele and Morgan with triples . . . and J. Brown, L. Brown, Sims, Abele and Plummer with doubles.

Tuesday's third game saw hardly any contest at all, as the Gophers trimmed the Cherokees 33 to 7. Practically everybody on the winning team scored long ones as Rutherford, Lay and Burchfield took homers . . . and triples were knocked by O'Hara (two), West, Valentine, Holland (two), and Hull. Spradlin took the only long one for the losing Cherokees with a double.

#### Holiday Changes Schedule

Thursday's action was moved to Wednesday due to the holiday last week . . . and it's a good thing, too. Thursday, the rains came!

The first battle featured the ORGDP Mets in a lop-sided victory over the Big Shop, 25 to 4. Henderson homered for the Mets, Carden had two triples, one dou-

ble to go with a two-bagger by Corn. Gibson homered for the losers . . . Law tripled and Brucher scored a double.

#### Peons Win Again

Next it was the hot Peons up against the Gophers . . . the Peons winning 19 to 8. Mack Wright scored four home runs, Roe one . . . Cheek tripled and Dean and B. Davis doubled for the winning Peons. For the losers it was Burchfield and Holland with long ones . . . Lay with a triple and Holland with a double.

The final game of the week saw the Batboys take the Regents 21 to 5. L. Brown and Plummer were the big sticks for the winning team, taking a homer each. Bryant tripled and doubled to go with Stanton and J. Brown's two-baggers.

#### Line Scores:

	R	H	E
Eagles	12	13	1
Cherokees	0	7	3
Batteries: Eagles: Bell and Friar.			
Hulsey and Thompson. Cherokees: Teague and Duncan.			
Peons	10	20	4
Rebs	9	9	2
Batteries: Peons: B. Davis and Everett. Rebs: Lawhorn and Price.			
Mets	20	26	1
Regents	1	9	1
Batteries: Mets: Fourman and Keith. Regents: Freels and Jamieson.			
Bean Balls	17	17	6
K-25 Instruments	10	14	3
Batteries: Bean Balls: Smith and Manning. K-25 Instruments: Rowland and Rector.			
Teds	14	15	4
Bat Boys	10	13	6
Batteries: Teds: Stinnett and Fogg. Bat Boys: Greene and Morgan.			
Gophers	33	33	6
Cherokees	7	11	8
Batteries: Gophers: Ryder, Burchfield and Klobe. Cherokees: Bishop and Halsey.			
Mets	25	26	3
Big Shops	4	8	5
Batteries: Mets: Fourman, Keith and Stone. Big Shops: Law and Moncier.			
Peons	19	24	0
Gophers	3	15	4
Batteries: Peons: B. Davis and Everett. Gophers: Rutherford and Burchfield.			
Batboys	21	18	4
Regents	5	9	5
Batteries: Batboys: Sims and Morgan. Regents: Freels, Jamieson and Peters.			

#### League standings follow:

Team	W	L
Atoms	2	0
Peons	4	1
Dispatching Rebs	4	1
Gophers	3	1
Teds	3	1
Beanballs	3	1
Mets (ORGDP)	3	2
Bat Boys	2	2
Eagles	2	2
Lucky Ten	1	2
Big Shops	0	3
K-25 Instruments (ORGDP)	0	3
Cherokees	0	4
Regents	0	4

Game correction: The game played on May 18 between the Mets and Beanballs was incorrectly reported as Beanballs 19, Bat Balls 16. The actual score was the reverse of this and is corrected in above standings.

### New Oxygen Nitrogen Plant Begins For Linde

Union Carbide's Linde Division has announced the startup of the first West Coast oxygen-nitrogen plant. This plant will produce several thousand tons a month of oxygen and nitrogen to supply the pigments department to E. I. du Pont de Nemours and Company. Du Pont will use the gases in the production of titanium dioxide at Antioch, California. Titanium dioxide is used in the manufacture of paints, paper, floor coverings, printing inks, and numerous plastic and rubber products.

Keep poisons where children cannot reach them, ever.



THE MIGHTY MUSKIE, of northern waters, is beginning to show up more and more in local waters. Take the four-pounder here caught by Jim Nevils, Beta Four, recently. The 'great Northern pike' weighed more than four pounds and measured 26 and one-half inches long. Jim said it put up a fight, too, which we can believe.

## Sam Campbell Keeps Spotless Tennis Slate

Sam Campbell maintained his early lead in the Y-12 Tennis League last week by defeating Campbell King 6-3, and 6-2.

King had previously downed Ed DelGrande 6-2, and 6-4.

The only other action saw Al Christman over Bob Bass, 6-0, 6-10.

League standings follow:

Player	W	L
Sam Campbell	3	0
Ron Williams	2	0
Bill Akers	1	0
Ralph Levey	1	0
Bob Bass	1	1
John Jones	1	1
Al Christman	1	1
Campbell King	1	2
Dick Huber	0	1
John Pridgeon	0	1
Roy Huddleston	0	2
Ed DelGrande	0	2



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RETURN POSTAGE GUARANTEED



A quartet of well-known Y-12ers is added to the 20-year veterans group with Union Carbide Corporation. Others celebrate important milestones also. Congratulations.

## 20 YEARS

**John W. Stroehecker**, Engineering Division, June 2.

**James D. Martin**, Janitor's Department, June 3.

**Charles L. Pigott**, SS Control, June 5.

**Anna P. Smith**, Production Analysis, June 6.

## 15 YEARS

**Guy H. Smith**, Metallurgical Development, June 5.

## 10 YEARS

**Everett Maden**, Tool Grinding, June 3.

**Donald R. Byrd**, E. M. C-Wing and 9206 Shops, June 3.

**Billie M. Stockton**, General Machine Shop, June 7.

**Haggard D. Keylon**, Dispatching, June 7.

**Roy E. Stephens**, Buildings, Grounds and Maintenance Shops, June 8.

**Bobby L. Bagwell**, Special Projects, June 8.

**Billy C. Neubert**, Electrical Department, June 8.

**Max N. Burkhalter**, Beta Two Shop, June 9.



## CANTRELL — UNDERWOOD

Mr. and Mrs. Robert T. Cantrell, 114 East Pasadena Road, Oak Ridge, announce the engagement of their daughter Miss Mary Juanita Cantrell. The father of the prospective bride is head of Y-12's Recreation Department. Her fiancé is Mr. James N. Underwood, 434 Villanova Road, Oak Ridge.

Miss Cantrell will receive her BS degree in education in June from East Tennessee State University. She is a member of the Sigma Kappa Sorority, Who's Who in American Colleges and Universities, was president of Kappa Lambda Honor Society last year, Scrolls Honor Society, and Kappa Delta Pi, national education honor society.

The future groom is the son of Mr. and Mrs. N. M. Underwood, Charleroi, Pennsylvania. He is a graduate of Catawba College, Salisbury, North Carolina, where he attended on a football scholarship. He received his BS degree in mathematics there in 1960. Presently, he is in the Stable Isotopes Department, Oak Ridge National Laboratory, in Y-12.

The wedding is set for 2 p.m. on Friday, July 3, at the First Methodist Church, Oak Ridge.

## PUCKETT-RUNYAN

Of interest to many Y-12ers is the forthcoming marriage of Miss Patricia Lynn Puckett to Mr. Thomas Earle Runyan. Pat, formerly of Y-12, is the daughter of Mrs. M. B. Puckett, Louisville, Kentucky. Her aunt, Emma Puckett, is in Y-12's Plant Records.

The future groom is the son of Mr. and Mrs. Earle E. Runyan, Louisville. He attended Centre College where he was a member of Beta Theta Phi.

The August 29 wedding will take place at St. Mark's Episcopal Church, Louisville.

## Distribution Director Named By Union Carbide

Thomas A. Wilker has been appointed director of distribution for Union Carbide Corporation, according to an announcement from Hermann K. Intemann, corporate vice president. Wilker will co-ordinate the distribution activities of Union Carbide's divisions and supervise the operations of the General Traffic Department. He joined Carbide in 1938 as a chemist at the South Charleston, West Virginia, plant and is a graduate of Baldwin-Wallace College. He also holds a degree from Yale.

# Electrical Department's Stand-Out Safety Display

Continued from Page 1  
display has take-home forms for the employee to show his family and familiarize them with the benefits and hazards of electricity. The narrator sums up his case by stating that without electricity he would not know life as it is today. We would probably still be in the throes of the dark ages. "I once heard electricity defined as an unknown force governed by known laws. If we follow these laws, electricity will work for us, not against us," he states.

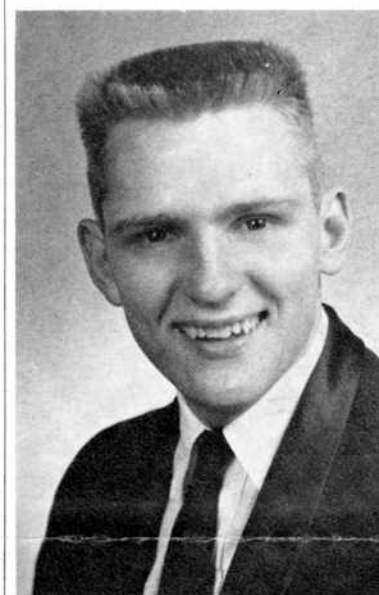
Like the recent round-up of defective tools, the electrical display was the brain-child of someone in Maintenance. This

time A. K. Johnson came up with the proposal late in 1963. **Seen By Many**

During May the display was seen by many Y-12ers in buildings 9723-4 and 9201-4. Monday it moved to Biology (ORNL) in 9207 and today it returns to 9723-4 for other ORNL divisions. There are motions from other Y-12 divisions to move it into their area for employees to see also.

Again, imagination is blended with a little wit to bring an otherwise drab subject into the realm of interest . . . without losing any of the effective messages contained in the displays.

## Woods Son Gets Degree At UT



Ronald W. Woods

Sunday, June 7 graduation at the University of Tennessee will see Ronald Wayne Woods, receive his BS degree in transportation.

Ronald's father, Delmer D. Woods, is in the General Weld Shop, Fabrication Division. Congratulations, father and son, too!

## COSTLY RATS

Rats have run up a two billion dollar damage bill in the United States, and in stored grain alone have ruined the equivalent of a million and a quarter acres' production.

## ASTME Meeting Is Set Tomorrow

Thursday, June 4, has been set for the regular meeting of the American Society of Tool and Manufacturing Engineers, Knoxville-Oak Ridge Chapter No. 107. It will be held at the Oak Ridge Country Club.

Bruce J. Kittle, Pioneer Aluminum, Inc., will be the speaker. His talk will deal with his company's product and will be supplemented with a film, "The Modern Magic Metal." It depicts the progress made in the development of 921-T aluminum plate. It also highlights a number of interesting and varied applications of this versatile metal, and its adaptability to the fabricating techniques of welding, machining, and finishing, as well as its high degree of stability. Kittle is District Sales Manager for Pioneer, with headquarters in Atlanta.

Dinner, which is optional, will begin at 7 p.m. and the technical session will commence at 8.

Members and their guests are urged to attend this interesting ASTME meeting.

## Zealous Locksmith

'A zealous Lock-Smith dyed of late,  
And did arrive at Heaven gate,  
He stood without and would not knocke  
Because he meant to picke the locke.'

English Epitaph, 1637.

6-12063

## SNT To Discuss Future At Meeting

"The Future of the Society for Nondestructive Testing" will be the topic of the Tuesday, June 9, SNT meeting. The national president, D. W. Ballard, will address the local section.

Ballard is a division supervisor at Sandia Laboratory, where he has been for the past eight years. Prior to joining Sandia, he was with the Los Alamos Scientific Laboratory as metallurgist and supervisor in plutonium extraction and fabrication. He worked in Y-12 for Tennessee Eastman in the early Manhattan Project days.

Ballard received his MD in mechanical engineering in 1952, and is a member of the American Society for Quality Control, American Society for Metals, American Society for Testing Materials, American Ordnance Association, and is a registered professional engineer in New Mexico.

This is the final SNT meeting for the 1963-64 year, and newly elected officers will be installed at this important meeting.

Is your home really a safe place to live?



**THE CRITICALITY HAZARDS CONSULTANTS** conferred recently in Y-12 for a three-day session to study the plant's method of control and inspection of criticality. Seated are Y-12 Plant Superintendent Roger F. Hibbs; Oscar C. Kolar, Livermore; John Morton; Hugh Paxton, Los Alamos; George Jasny; Harry H. Hummel, Argonne National Laboratory; and Jack McLenden. Standing from left are A. Dixon Callihan, Oak Ridge National Laboratory's Critical Mass Lab; W. T. Mee; Rudy Pletz; M. L. Bailey; T. J. Cagle; B. J. Youngblood; A. J. Mallett, Oak Ridge Gaseous Diffusion Plant's Nuclear Safety; John W. Morfitt, General Electric's Idaho Test Site; G. A. Strasser, superintendent of Technical Services; and F. G. Welfare.